

SENIOR NOMINATIONS ARE DUE FRIDAY

Official
Undergraduate News Organ
of M. I. T.



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For 50 Years

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HARPER IS NEWLY ELECTED HEAD OF VOO DOO BOARD

Francis S. Chambers '32 Made Business Manager of New Volume

ONE POSITION DECLINED

Phosphorous today announced his assistants for the coming year. Volume XIV of Voo Doo will be led by James E. Harper, Jr., '32 General Manager, and Francis S. Chambers, Jr., '32 Business Manager. John F. Crowther '32 who was elected to the position of Managing Editor has declined the office and it is not understood just who will assume the responsibilities of that office.

Harper, the new general manager, is from San Antonio, Texas. He prepared for Technology at the Phillips Exeter Academy where he was active in football. He entered Technology in the fall of 1928 and has served on the Voo Doo Staff as candidate, business associate, and advertising manager from which position he was elected general manager. Harper was a member of the Field Day football teams, and is now a member of the Beaver Club, Woop Garoo and Phi Kappa Sigma Fraternity.

Chambers Junior Class Officer

Francis S. Chambers, Jr. '32 who was made business manager of the publication, comes from Elizabethtown, Pennsylvania. He prepared at the Episcopal High School of Alexandria, Virginia. He is a member of the Junior Class Executive Committee, the Beaver Key Society, the Quadrangle Club and Sigma Nu Fraternity.

No definite steps have yet been taken for the election of a new managing editor. The duty is now in the hands of the present staff.

(Continued on Page Four)

JAMES AND FARADAY EXHIBIT IN LIBRARY

Commemorates Discovery of Magnetic Induction

Michael Faraday in England and Joseph Henry in the United States both discovered the principles of electric induction at the same time although they worked separately with an ocean between them. This week is the one hundredth anniversary of these simultaneous discoveries and an exhibit has been prepared in the Central Library commemorating the memories of these two men.

In the center of the case are pictures of both men. On the left is a collection of Joseph James' letters, papers, and contemporary works about his theory while on the right is laid out the same for Faraday. In the rear of the case are writings by such famous men as Wheatstone, Ritchie, Daniell and Peter Barlow, all on the subject of the invention or relative to electromagnetic induction. Directly behind the pictures stands a letter of Ampere's to Professor Van Der Eyk, in French, relative to the discovery and dated 1821. Each of these books is autographed and is from the Vail Collection.

Uncle Horace's Business Is Certainly Picking Up

Hard times must be on the mend, for according to Bursar Horace S. Ford \$1340 has already been collected this term in five dollar fines for late registration. This amount far surpasses any received in recent years. One hundred more men neglected to register on time this term as compared with the first term. There are many who pessimistically declare that business is still "fundamentally sound," but when 268 students are willing to part so easily with a five dollar bill there really can't be much to worry about.

Recently Elected Head Of Voo Doo Vol. XIV



James E. Harper, Jr. '32

Two Students Will Present Papers At A. I. E. E. Meeting

Electrical Engineers Start New Term With Dinner and Discussion

Following a dinner tomorrow evening at 5:30 o'clock in the North Hall of Walker Memorial there will be two papers read one by Kenneth J. Gernshausen '31 on "Illumination and Color" and another by A. Earl Cullum '31 on "Broadcasting Developments". This is the usual second term program of the Technology Branch of the American Institute of Electrical Engineers varying from that of the first term by having students give their ideas and having a discussion of the topics instead of having speakers from outside industries.

These papers are the result of careful preparation and are eligible to enter the contest for the national A. I. E. E. prize offered yearly for the best student paper. Mr. Cullum is the president of the Radio Society and an invitation has been extended to that Society to attend the meeting.

Tickets for the meeting will be at the nominal fee of sixty cents and may be secured from members of the Executive Committee or from Miss Hunt at Room 4-203 before noon today.

FRESHMAN RIFLEMEN WIN TWO STRAIGHT

In its second consecutive win last Thursday, February 12, the Freshman Rifle Team defeated the Wollaston Rifle Club in a shoulder-to-shoulder match on the Technology range by a score of 956 to 938. Only a short time ago they defeated the Columbia freshmen in a postal meet.

For the Tech team, Foote, Guerke, and Apjohn were tied for top score with 192, while MacWilliams and Smith led the visitors with 186. Among the high scores, Ryder and Bently of the Tech varsity and Richardson of the Freshman shot on the Wollaston team to make scores of 188, 192, and 186, respectively.

At present the team is engaged in shooting the Tyro Team Match scores. This is a national meet for teams composed of men who have never won a medal in competition, and draws the best of the novice shooters in the country. They have gotten off to a good start with Paulsen shooting 100 and Moomaw and Apjohn, the only men who have shot so far, making above 95. Toward the end of the week they will start shooting the Freshman Team match.

Since the exams a number of promising men have failed to show up. If any of these men are still around, they are requested to report as soon as possible.

Institute To Hear Famous Lecturer On World Affairs

Sherwood Eddy To Speak Here On "The Present World Situation"

Speaking under the auspices of the Technology Christian Association, Sherwood Eddy, world renowned Y. M. C. A. worker and student on world affairs, will lecture on "The Present World Situation" next Friday afternoon at 4 o'clock in Room 10-250. President Karl T. Compton will preside at the meeting.

Mr. Eddy, in honor of whom a testimonial dinner was recently tendered by the General Board of the National Council of The Young Men's Christian Associations here in Boston and at which many distinguished persons were present, has been working among the student element of the world for over thirty years. His achievements are well known in the student world of Asia, Europe and America.

Is Graduate of Yale

Mr. Eddy was born in Kansas, and his mother went to school with Buffalo Bill in the early "Wild West" days among the first settlers of the West. As a graduate of Yale and a post-graduate of Princeton he also knew college life in the East.

He is by profession a civil engineer, but very early in his career felt the call of world fellowship and became an ardent Y. M. C. A. worker. His duties have carried him to the farthest corners of the globe and he has visited students in all the principal countries of Europe and Asia.

Hunts Big Game

Mr. Eddy is also known as a big game hunter. In the intervals of his intense activity among students of India and his work among the lower classes of people, he occasionally took a week off for big game shooting in the Himalayas.

(Continued on Page Three)

Department Head To Receive Honor

Dr. Waldemar Lindgren to Be Made Honorary Member Of Institute

Dr. Waldemar Lindgren, head of the Geology Department of Technology, will receive honorary membership in the American Institute of Mining and Metallurgical Engineers at the annual banquet of the society to be held tonight at the Hotel Commodore in New York. The banquet is being held in connection with the 140th meeting of the Mining Institute.

Dr. Lindgren was born in Kalmar, Sweden, on Feb. 14, 1860, and was graduated from the Freiberg School of Mines, receiving the degree of M. E., in 1883.

Head of Geological Survey

He has been with the United States Geological Survey since 1884, being chief geologist in 1911 and 1912. He is a member of the American Association for the Advancement of Science, the Mining and Metallurgical Society of America, the National Academy of Sciences, and the Geological Society of America, of which he was president in 1924.

Mass Meeting in Walker For The Tech Candidates

Tonight at five o'clock THE TECH will hold a Mass Meeting in the West Lounge of Walker Memorial at which time all men wishing to come out for any department of the newspaper are cordially invited to be present. The meeting is primarily for the purpose of securing men for the News and Sports departments, but anyone wishing to enter one of the departments concerned with the business end of the paper can do so since there are a few positions still open in these departments. Candidates entering competition at this time will be eligible for the regular elections.

Senior Nominations Must Be In Friday

Nominations for Senior Class Day Marshals and For the Senior Week Committee are due on Friday, February 20, at 5 o'clock in the ballot box placed outside the Information Office in Building 10. From these nominations three marshals and twenty five men for the Senior Week Committee will be elected.

Nominations for Class Day Marshals must have the signatures of ten sponsors while five sponsors is sufficient for nominations to the Senior Week Committee. The list of nominations will be published in Monday's issue of THE TECH and will be posted on the bulletin board opposite the Information Office on Saturday.

If any errors are made in a nominee's name or if his name is omitted from the list he should get in touch with Charles R. Wood before Tuesday morning February 24. The elections will be held on Wednesday, February 25.

Announce Names Of Patronesses For Ball Friday

Interfraternity Organization Is Planning Decorations of Unusual Type

Three patronesses for the Interfraternity dance next Friday are Mrs. Jack, Mrs. Bigelow and Mrs. A. A. Blanchard. Since the Interfraternity Conference is giving only one dance this year, it has determined to provide entertainment which ranks with the best. To this end it has secured McKinney's Cotton Pickers' Orchestra for next Friday, when it will play for the guests from nine o'clock until four o'clock in the morning.

About one o'clock dancing will be interrupted in order that refreshments may be served. There will be a light supper with sandwiches, coffee, ice cream and cookies. The Main Ballroom of the Hotel Bradford will be decorated with the flags and banners of the various fraternities participating in the event. For the tickets the prices, which will cover the cost of refreshments, will be \$4.00 per couple and \$3.00 for stags. The committee in charge of the dance is made up of H. Sheldon Smith '31, chairman, Robert B. Semple '32, Arthur N. Rhinehimer '32, Thomas E. Sears, Jr. '32, and Thomas H. Jenkins '32.

FIRST YEAR HOCKEY TEAM PLAYS TONIGHT

After a fruitful vacation the two Technology hockey teams have gotten back in the grind to prepare for their final series of games. The Varsity team did some celebrating with wins over Army and St. Stephens during the layoff from studies. The Army game was won by a 3-2 decision, with the final score coming in a third overtime period. The St. Stephens game was a runaway with a 10-0 score in favor of the Engineer team.

The freshman team goes into action again tonight against the Country Day team at Newton, weather permitting. In a game, during the last vacation, the first year men were downed by Exeter by an 8-0 score in a game played there on February 11. The Exeter team pretty much outclassed the Engineer squad but the latter put up a good fight. Williams, Thompson and Heones played well for the yearlings.

BEAVER KEYS OBTAIN MARSHALL'S BAND

Art Marshall's orchestra has been obtained for the basketball dance next Saturday night after the game with Clark University. Dancing will start immediately after the game and will last until 12 o'clock. Tickets are on sale now and may be obtained from any member of the Beaver Key Society.

BASKETBALL TEAM MEETS WILLIAMS COLLEGE TONIGHT

Yearlings Game With Boston Boy's Club Also—Green Frosh Tomorrow

WILLIAMS TEAM STRONG

After a successful start in their last half of the season, Technology's basketball team will meet Williams tonight in the Hangar Gym with the hopes of winning the second in a row. The game will start at the usual time which is eight o'clock.

Williams will bring a squad of nine men with them, which will include two lettermen. This team has met some of the best fives in the east and has come out so far with a creditable record. They have defeated Vermont, Clark, and Wesleyan among others. The victory over the later five was scored last Saturday by a 47-21 count.

Williams Has Strong Combination
Cosgrove, the left guard, has been one of the main offensive factors on the team all year. With this man at guard the purple five should present a formidable combination as Monier at center and Field and Fowle at the forwards have been doing their share of the scoring. Sheehan will start at the other guard.

McCarthy intends to use the new lineup which made a good showing in the St. Michael's game. Feustel, who did quite a bit of scoring in this game at his new guard position, will start there again tonight, with Coffey at forward.

Freshmen Meet Boston Boys' Club

As the initial game of the night the freshmen will meet the strong Boston Boys' Club. This team is one of the strongest fives other than college teams in this vicinity. They should provide an interesting preliminary. Besides this game the freshmen will be busy the rest of the week.

(Continued on Page Three)

RADIO SOCIETY GETS SPEAKER ON PENTODE

Society Invited to Hear Their President Read Paper

Richard S. Briggs '27 now an engineer with the Champion Tube Company of Danvers, Massachusetts, will be the speaker at the meeting of the Radio Society on Thursday, February 26, at five o'clock in room 10-275. Mr. Briggs will have as his subject the "Pentode," a five element tube with three grids, one of the most recent developments in radio engineering.

Gordon S. Brown '31, chairman of the Technology Chapter of A. I. E. E., has extended an invitation to the members of the Radio Society to attend the meeting of that organization tomorrow evening in the North Hall of Walker Memorial, at which time A. Earl Cullum '31, president of the Radio Society will read a paper entitled "Broadcasting Development." Before coming to Technology Mr. Cullum was technical engineer at WFAA, a high-powered broadcasting station of Dallas, Texas. He will be followed by Kenneth J. Gernshausen '31, who will read a second paper entitled "Illumination and Color."

Board Walk Dangerous To Well Dressed Man

Mud resulting from the warm weather has made the board walk running between building eight and Walker Memorial the scene of clever acrobatics and considerable profanity. Anyone who happens to be in the wrong place when a car passes on its way around the detour either makes a few rapid movements or gets a smooth coating of rich brown mud. Who said athletics weren't progressing at Technology?

THE TECH TO HOLD MASS MEETING TODAY IN WALKER

A Record of
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For 50 Years



Official News
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Undergraduates
of M. I. T.

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TECHNOLOGY VS. "MOXIE"

WITH the erection of the proposed signs on the large framework now being constructed in the court between Building 2 and Walker Memorial, the Institute will become the proud displayer of one of the largest billboards on this side of the Charles River Basin.

It is unfortunate that a reputable institution of higher education must erect in the midst of its plant all that is characteristic of a refreshment stand along a highway. Admittedly, the Corporation has every right to be proud of the additions which are under construction, and the contractors certainly have the right to advertise that their bids were the lowest, but need this information be posted in a position so conspicuous that it detracts from the presentability of Institute property?

Even while the dormitories were under construction a similar sign was displayed, in a much more conservative position. But need such moves be advertised at all? It stands to reason that since every metropolitan newspaper has contained no small amount of information on this latest addition to the Institute plant, and since the names of the contractors themselves are well known to everyone interested in building construction, a large display board is not an absolute necessity.

With such conspicuous use of the methods of "big business," Technology opens a field for no small amount of criticism. Certainly the sign will be no asset to the general appearance of the school grounds as a whole, and its obvious intention may reap a reward considerably less than would the absence of any sign.

MUTE ENGINEERS

THE necessity of an engineer being an able public speaker was stressed to some degree in an address recently by Roy V. Wright, president of the American Society of Mechanical Engineers. To be of any value to his profession, the aspiring scientist must be able to present his ideas in a manner which may be easily understood and appreciated, and in the present day of corporate industry, where power lies in a board of directors, this ability is all important.

The Corporation of the Institute has recognized this fact, and has made some attempt to carry training in public speaking within the regular curriculum of every course. However, the amount of this attempt is deplorably small, and the slight training that is given in freshman and Sophomore English classes represents little more than a waste of time. With only eight meetings in two years, and each group so large that recitations must be short, it is obvious that no student benefits to any great extent. It is only natural that the majority of instructors in the English Department have come to regard the training in public speaking as an unimportant and subsidiary function of the course, which requires no effort on their part other than that of taking attendance. True, a General Study is offered in public speaking, but presented in this form, the instruction is available only to a small proportion of the student body.

Some form of this essential training should be incorporated into the regular curriculum, with experienced instructors whose only duty is to that course and whose classes are divided into groups containing a reasonable number of men. In this way and in this way only may such training be correctly presented. The value of being able to express one's self, especially to professional men, should be sufficient reason for offering much more thorough training in public speaking than is offered at Technology.

THE OPEN FORUM

(Editor's Note)

Communications to the Editor will be given consideration where they merit it. It is, however, required that all letters be signed by the author to guarantee their authenticity. Signatures will be withheld from publication if desired.

To the Editor of THE TECH:

As my first letter fell prey to an immediate if not very specific refutation, I am taking the liberty of writing another.

Civilization, as we know it, has as its basis Applied Science, that is, Engineering. The literature of Homer and all the art of the Greeks was of no avail when Europe was in chaos during the Dark Ages. Rembrandt and Michel Angelo did nothing to allay the suffering of the sick and unfortunate. Beethoven's greatest symphony could not save one life. Engineering has brought nations together through improved transportation facilities; engineering has obviated much suffering by giving doctors the automobile and the airplane to hurry to the aid of the stricken and by reducing the price of necessities; engineering has destroyed famine by making food immediately available in any part of the world, and much disease by sanitation. Art may have its place, but I certainly feel that it is a very humble place indeed beside that of engineering.

You seem afraid that an undergraduate may fall victim to the habit of serious study. I feel that the Institute could do nothing better for a student than to give him such a spirit. Does any one regret that Kepler spent his life in the study of the observations of Tycho Brahe? Do you feel that Newton should have tried his hand at amateur dramatics instead of studying the laws that govern worlds?

A single track mind is one of the attributes common to most great men in all fields, not only engineering but in the artistic and philosophical fields as well. Did Archimedes have any interest except physics? Can you imagine Titan considering any field but art? Did Wagner lack development because he did not spend some time building bridges? A like question will show that great men with few exceptions have studied in their own field to the almost absolute exclusion of all others.

For the purpose of discussion let us consider a truly great man who diversified his interests. Voltaire was such a man; he was a poet, politician, and a revolutionist, a philosopher, a wit, and a business man. In spite of his greatness in all these fields, I believe that most students of Voltaire regret the greater dramas that could not come from Voltaire's pen because he was futilely studying mathematics; they regret that the writer of such sublime poetry could take another man's wife and cater to an emperor. I think that this is sufficient to show that a man loses by trying to diversify his interests and that concentration on one field produces the greatest results and the greatest man; America needs great men today as no nation has ever needed them before.

T. KRESSER, '34.

Technology Representative in Turkey Describes Adventures During Holiday

Fred N. Dickerman '30, Highly Pleased With Conditions At Robert College

When East meets West, it is highly pleased. At any rate, such was the case when Judson T. Biehle '27 went to Istanbul on the Tech-in-Turkey project in 1928, and such is the case with Fred N. Dickerman '30, who went to Robert College this fall. Although Dickerman has been at Istanbul only a few months, the Vice-president of the college, Mr. Huntington, has already written "how much pleased we are with Mr. Dickerman and how deeply interested all of us at this end are in what Tech is doing for Turkey."

It was only three years ago in the winter of 1928 that THE TECH wrote, "Tech-in-Turkey will be a reality in the near future." The idea originated in 1927 when Mr. William H. Van Dusen '24, speaking in the Herrick House on the ideal program of a Christian association emphasized the importance of foreign work. Several American colleges were already doing such work in Japanese, Chinese, and African schools.

Robert College Chosen

Professor Clarence H. Sutherland '10, who had been an exchange professor at Robert College, Istanbul, recommended that school for the T. C. A. project, since it had an engineering department and since English was the language used there. In January, 1928, Dr. Gates, President of the college, spoke at the Institute, and soon afterwards the project was accepted.

Judson T. Biehle '27 was selected to go to Robert College as a tutor in physics. He left in the fall of 1928, presumably for one year, but he was so well liked that a reappointment was requested and he remained for the succeeding year also. Now Fred N. Dickerman, former Vice-president of the T. C. A., is taking his place.

Writes of Adventure

From his weekly letters to Mr. Bror Grondal '31, of the T. C. A., one can obtain an idea of Mr. Dickerman's life in Istanbul. "Last Sunday afternoon," he writes, "I had quite an adventure. On top of the hill behind the college there is a cemetery, which simply means there is a collection of graves there, for Turks have no fences around their grave yards and in fact take no care of them at all. In order to walk over the hill to the Baltaliman Valley it is necessary to go through this cemetery."

"A couple of us were walking there when suddenly two ragged and mean-looking soldiers jumped out of the bushes and halted us. They said in Turkish that it was against the law to walk in the cemetery and we would either have to pay five liras or go to jail. The person with me spoke Turkish and could argue with them. "It seemed that the jail they wished to take us to was across the hills, and if we had agreed to go we would have been knocked on the head and robbed on the way. Of course,

being only ordinary soldiers they had absolutely no right to bother us in any way—they were simply after money. We told them to follow us home, then we'd give it to them. Once inside the house, we laughed and sent them running by threatening to phone the police. We afterwards found out that one of them is quite a notorious character in Hissar."

Describes Evening "Off"

The same letter contains the following account of an "off" evening. "Friday evening four of us went in town to see a movie. Most of the theatres were showing French pictures and we have learned from sad experience that these are always terrible."

"We ended up by going into a little hole in the wall where the cheapest seats were five cents. We had a loge at the rear for \$1.00 for all four of us. The odor was indescribable but we gradually got used to it and then forgot it in the excitement of a real old 'Our Gang' comedy with lots of mud-slinging. Then we saw a picture out of the Ark 'Our Dancing Daughters.'"

Massacre in Istanbul

In another letter Mr. Dickerman gives a vivid account of the state of affairs in Istanbul. "Last Monday they hanged a murderer in the square at Bayazid," he writes. "The body remained there for several hours."

"There have been numerous hangings in Smyrna as a result of the recent uprisings there. It seems that the old religious fanatics went to the ignorant people there and told them that a revolution was going on and that Stamboul and Angora had already been taken. Of course, the poor benighted wretches joined."

"A teacher who exhorted the mob (Continued on Page Four)"

Down on the Stanford Farm



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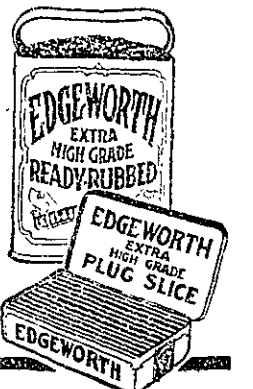
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Mile Run Is Next Event In Popular P. T. Competition

Competitive Events In Field
And Track Are Being Run
Off Rapidly

Track and field events in P. T. Competition are progressing rapidly, and shortly trials will be held in the mile run. The freshman record in this event was made in 1925 at the Harvard Stadium by E. E. Chute '28, the time being 4:36 1-5. This mark was almost broken three years ago by Don Gilman, who did 4:36 2-5 in a dual meet with the University of New Hampshire at Durham. The best mile last season was run by R. G. McKay at Tech Field in 4:38 2-5.

Coach Hedlund expects Charlie Hall to break this record in competition this year with such strong runners as R. E. Mann, J. C. Barrett pushing him. All the times mentioned above were made on cinder tracks, so the mile times on the board track were, of course, considerably slower.

The fastest time in the competition last year was turned in by McKay, who ran the mile on the boards in 4:46 4-5. Accordingly he was awarded 71 points. M. H. Masters and R. G. Burdick tied for second place. The mile is apparently an unpopular event with the freshmen, for last year only 13 men tried the long race, the average time being 5:24 3-5.

The times and the points which may be scored are as follows: 4:36:1, 100 pts.; 4:37:0, 96 pts.; 4:38:0, 91 pts.; 4:39:0, 86 pts.; 4:40:0, 81 pts.; 4:41:0, 76 pts.; 4:42:0, 72 pts.; 4:43:0, 67 pts.; 4:44:0, 62 pts.; 4:45:0, 57 pts.; 4:46:0, 52 pts.; 4:47:0, 47 pts.; 4:48:0, 42 pts.; 4:49:0, 37 pts.; 4:50:0, 32 pts.; 4:51:0, 27 pts.; 4:52:0, 22 pts.; 4:53:0, 17 pts.; 4:54:0, 12 pts.; 4:55:0, 7 pts.; 4:56:0, 1 pt.

WILLIAMS COLLEGE MEETS BASKETEERS

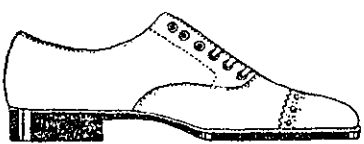
(Continued from Page One)
week. Thursday they will meet the undefeated Dartmouth freshmen in the Hangar Gym, and Saturday, while the Varsity will encounter Clark U. here, they will meet the Tabor Academy five at Tabor.

After the game on Saturday between the Varsity and Clark, the Beaver Key Society will give its second dance of the year. Art Marshall will furnish the music, and the dancing will last from ten to twelve. Tickets will be seventy-five cents and may be purchased at the M. I. T. A. A. office, or Cashier's office during the week or at the door of the Hangar or Walker Memorial, where the dance is to be. Tickets include both the game and the dance.

At the University of Kentucky Fraternities and sororities giving dances during the basketball season have been requested by Coach Adolph Rupp to refrain from sending invitations to members of the squad.

Five hundred students were driven from the chemistry building at Ohio University by fumes from a broken five pound bottle of liquid bromine.

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Students Invited To C.E.S. Meeting

F. H. Fay and R. Whitten to
Explain Report of City
Planning Board

Frederic H. Fay, Chairman of the City Planning Board of Boston, and Robert Whitten, City Planning Consultant, will be the speakers this evening at the joint meeting of the Boston Society of Civil Engineers and the student organizations from nearby colleges to be held at six o'clock in Lorimer Hall, Tremont Temple, Boston. The subject of both speakers' addresses will be "A Thoroughfare Plan for Boston."

Reports of the City Planning Board of the City of Boston recommending a Thoroughfare Plan incorporates the result of three years of careful investigation, including an unusually complete traffic analysis and forecast. The traffic congestion has reached a critical stage and some way must be found to modernize the system of major traffic streets.

Recommendations of the Board involve a definite construction program covering a long term of years and including many projects affecting the transportation problems of the whole metropolitan area. Both men will explain the report in detail in their talks. This meeting is open to all students whether or not members of the student branch organization, and any interested in the subject are cordially invited to attend.

WITH THE AMERICAN COLLEGE EDITORS

"BROKEN-DOWN" STUDENTS

The close of this semester will see a number of students returning home from the colleges and universities while the report gains currency that they have "broken-down" from overstudy. Probably a number from our own university will return to their homes with that explanation. They will not be able to resume their studies at the beginning of the second semester.

Perhaps it is unkind to destroy credence in a good excuse and a plausible explanation but it may have a beneficial effect. A distinguished authority in medicine has expressed the opinion that there is no such thing as mental breakdown from overstudy. Under normal conditions the brain undergoes no strain in performing its natural function of thinking.

From this information it is logical to infer that the cases of "broken-down" students are either convenient excuses to cover the real reason for leaving the institutions or the result of irrational habits of living. Health may be impaired by any number of foolish practices and excesses; by denying the body its normal rest and exercise or by overdoing a number of apparently good things. But honest study, ordinary thinking, and other sane uses of the mental faculties are not dangerous.

For a limited few this advice may come too late, but for those on "the border" as they enter the second semester the warning may be of some use. There is no better time than now to determine to follow sane habits of living during the second half. Every one can be his own best physician by using a little common sense. The returns in health and scholarship will be gratifying.—McGill Daily.

What does the student talk about in a bull session? It seemed to worry some of our learned sociologists at one of the middle-west universities, so they conducted a survey of "bull sessions" there lasting over a year. The survey was made with the co-operation of students who made the observations without the knowledge of the ones in the bull session. No faculty member was present and the attempt was made to catch "natural" bull sessions.

Sex was found to be the general topic of greatest interest. Of all the topics discussed, items dealing with this subject formed 22 per cent. of all topics mentioned, and 25.55 per cent. of all topics discussed by women. About a fourth or a fifth of all conversational interests center about this subject.

Women discussed personalities more than men also, the survey showed. The total percentage for women is 19.6, while for men it is 12.7. The finding is in agreement with the belief that women are more interested in people while men are more interested in things.

"Intellectual" things form only 16.1 per cent for men and 15.3 for women. This is disappointing to the people who believe in the college as a trainer and developer of the mind.

Students talk "shop" much less than does the average business man. Compared to the 70 per cent of the business man, the 8 per cent of the college man talks about his study is meager

Regan Is Leading Point Getter For M.I.T. Ice Team

Tops Orbanowski With Total
Of Six Points Out of
Seven Games

Tommy Regan, fast left wing on the Technology hockey team, is leading scorer for the Engineer team in its seven games of the present season. Regan has to his credit a total of six goals, accounting entirely for one victory and instrumental in another.

Three of the goals sent Army down in defeat during the vacation week. Two others were scored against St. Stephens later in the same week, and the final one the only score for the Beavers in the Boston U game. These six goals are two more than any of the other Technology sharpshooters.

Orbanowski Next High

Orbanowski, right wing on the regular forward line, has four goals which he has pushed through the net for his own team besides that one that appeared to flick off his stick on his effort to stop one of the Northeastern goals last month. Incidentally that goal didn't count for the Beavers. He did all the Technology scoring in the Princeton game and got one against St. Stephens last week.

Of the regular guards, Peterson has done most of the point making. He obtained a couple in the first game of the year, the Harvard game and one more against St. Stephens. Other scorers include Cochran, Hall, and Fahy. It is a bit surprising not to see Horace Ford's name in the scoring list after all the good skating that he has done in the last few games.

Points scored by individual men to date:
Tom Regan, 6; Hors Orbanowski, 4; Otto Peterson, 3; Dick Cochran, 2; Ben Hazeltine, 2; Penn Hall, 1; Joe Fahy, 1; Total games: Won 2, lost 5. Technology points, 19; Opponents' points, 32.

INSTITUTE TO HEAR FAMOUS LECTURER

(Continued from Page One)
the large elephant and tiger infested jungles of the country. Like Theodore Roosevelt, he is equally interested in science, philosophy, literature and big game shooting.

His recent study of the social and industrial problems of Europe have brought him into contact with many employers, labor leaders and young intellectuals of the world. Considerable interest has already been aroused, regarding his visit, and it is expected that a large audience will be present as was the case in 1921 when he lectured in the same room at the Institute.

Intercollegiates

The dome of the capitol at Washington weighs 8,909,000 pounds.

Robert Frost, well-known poet, was instructor of a course given at Dartmouth.

Alabama Polytechnic Institute has a course in radio announcing and studio management.

Moving pictures are being taken at the University of Ohio to illustrate student life on that campus.

Because of water shortage, sales of soft drinks at the book store of V. P. I. almost doubled last year.

Students at the University of Toronto recently petitioned that the sale of beer on the campus be permitted.

Sound pictures of B. U. co-eds playing baseball on shoeshoes were recently taken by Pathe Sound News.


The song contest of the Carnegie chapter of Phi Mu Alpha, national musical fraternity was won by a Mechanical engineer.

Because silk thread has greater tenacity than steel wire of the same diameter, a German has invented a cannon made of steel tubes wrapped around with silk until the required size has been obtained.

When Rudy Vallee went South after a short engagement at a local theater, he took with him orchestras of several B. U. songs. He intends to play them over the radio during one of his weekly hours.

indeed. When they do talk shop also, it is mainly concerned with the social and avocational by-products.

Social problems of a personal nature are discussed much more than impersonal social problems. Men discuss such problems as drinking, smoking, sex problems, etc., a total of 11.1 per cent of other things, while they discuss communism, world peace and other national and international problems only eleven-tenths of one per cent.—Virginia Tech.



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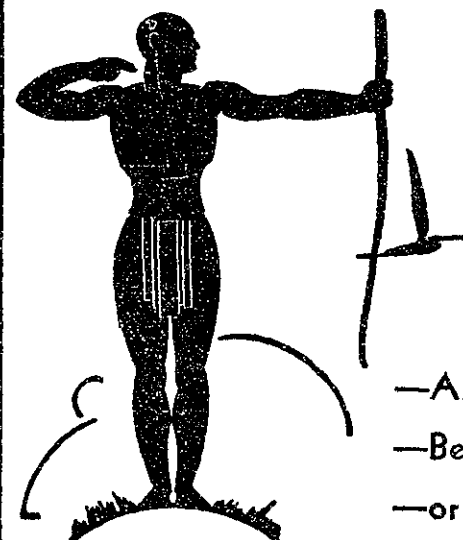
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OFFICIAL BULLETINS OF GENERAL INTEREST

Physics Colloquium Prof. B. E. Warren, Mr. J. P. Vinti
Thursday, February 19, 4 P.M., Room 4-270

Papers will be presented as follows: Professor B. E. Warren: "X-Ray Studies of Some Complex Silicates"; Mr. J. P. Vinti: "Calculation of Atomic Energies." These papers were originally scheduled for the meeting on January 15, which was unavoidably postponed.

Open to graduate students and members of the instructing staff.

Differential Geometry Prof. Wilhelm Blaschke
Thursday, February 19 and Friday, February 20,
4 P.M., Room 2-232

Professor Wilhelm Blaschke of the University of Hamburg will deliver a group of lectures under the auspices of the Mathematics Department on selected topics in "Differential Geometry."

Open to students and members of the instructing staff.

CALENDAR

Wednesday, February 18

5:00 P.M.—Banjo Club rehearsal, East Lounge, Walker Memorial.
7:30 P.M.—Tech Show rehearsal, Walker Gym.
7:00 P.M.—Interfraternity Basketball, Hangar Gym.
7:00 P.M.—Instrumental Club rehearsal, East Lounge, Walker Memorial.

Thursday, February 19

5:00 P.M.—A. I. E. E. dinner meeting, North Hall, Walker Memorial.
7:00 P.M.—Interfraternity Basketball, Hangar Gym.
7:30 P.M.—Tech Show chorus rehearsal, Walker Gym.
7:30 P.M.—Tech Show orchestra rehearsal, East Lounge, Walker Memorial.
7:30 P.M.—Pi Delta Epsilon meeting, West Lounge, Walker Memorial.

Friday, February 20

5:00 P.M.—Banjo Club rehearsal, East Lounge, Walker Memorial.
6:00 P.M.—Technology Lutheran Society Basketball practice, Walker Gym.
5:00 P.M.—Technology Photographic Society meeting, Room 5-130.

Infirmiry List

Carleton, Henry L., '32.
Gambel, Edward, Instructor.
Illian, Douglas F., '31.
Snyder, Robert M., '31.
Taylor, Charles, Professor.
Williams, F.

NOTICE RIFLE TEAM

The rifle team picture for the Technique will be retaken tomorrow at five o'clock in the basement of the Homberg Infirmiry for the benefit of those who missed the last one. All members are requested to be present.

The University of Pennsylvania holds indoor soccer training during the winter months.

The University of California offers a new course: "How to keep well when traveling in the tropics."

The Harvard Engineering School has recently obtained a new high tension electrical laboratory.

The University of Michigan is to have a building costing \$180,000 to house the publications offices.

The electrical engineering department at Stevens Institute has received a complete demonstration set of dial system telephones.

PHOSPHORUS ELECTS MANAGING BOARD

**Choice for Managing Editor
Declines New Position**

(Continued from Page One)
hands of the new board and it is expected that some disposition of the case will come at their first meeting. Other elections announced today are: Eric Sparre '32 Literary Editor; Harper V. Richards '33, Art Editor; Dyke Selig, Jr., '33, Advertising Manager; Pierre E. DuPont '33, Treasurer; Ernest H. Anderson '32, Publicity Manager; and G. Russell Eddy '33, Circulation Manager.

Post Mortem Number Issued
The Post Mortem number of Voo Doo went on sale today, the last offering of Volume XIII. It is a good copy and the retiring board's last issue contains a number of very illuminating features. The cover, in particular, is one of high calibre; draw by Dick Baltzer '31, and W. Rapport. It ranks with the best covers of the past year.

Numerous original jokes take their place among the best to be seen in Voo Doo for a long time, while Walker food is the receiver of thinly veiled jibes in one cartoon. Two pieces of art work signed "D. B. '34" are other high lights of the issue.

As for the remainder, one goes through the issue so fast as to wonder whether there is very much more. But the regular thirty-two pages are there and they are certainly covered with the customary type of reading matter and cartoons.

Students under eighteen years of age will be locked up if found on the streets after 9 o'clock, according to a new rule at the University of Omaha.

Students of the Johns Hopkins University are petitioning Congress to abolish compulsory military training at the college, according to a recent report.

Two brothers flew from Los Angeles allegedly in order to avoid paying the late registration fee at St. Mary's College. And yet, some people will say that college students are not thrifty.

A university of fashion has been open in Paris, offering courses in costume designing and color harmony—lectures given by the leading couturiers, sculptors and artists.

The students of the University of Rochester have found a good way of making money. They steal dinks from the freshmen and then force the luckless yearlings to buy them back.

At the University of Michigan it is against the rules to give another student a ride.

More Than One Hundred Thousand Feet Of Piles Set For New Buildings

**Both Concrete and Wooden
Piles Used in Foundation
For Laboratories**

If all the piles being placed in the foundations of the new Spectroscopy Laboratory were placed end to end, they would form a line of concrete and wood over 105,000 feet long. This line could be used to form the curb on both sides of a road for ten miles. If piled in the corridors of the Institute this vast amount of piling would fill one hallway the entire distance from Building 1 to Building 2 to a depth of forty piles. The great amount of material to be driven into the ground under the new building can be realized if one considers that it is almost a half mile from one end of the corridor to the other.

Two Types of Piles Used

Two types of piles are being driven, wood and concrete. About 3000 wooden piles with an aggregate length of almost 100,000 feet are to be placed, and 200 concrete piles with a total length of about 4000 feet will be driven.

The timber piles are all of shortleaf pine, ranging in length from the short 18-foot ones being placed near Building 8 to the long 50-foot pieces being sunk near Building 2. The long piles are necessary to carry the weight of the building over an area of soft mud and clay. The shorter piles are driven into a layer of hard sand.

The concrete piles are being used where a bed of sand furnishes a firm base without extreme penetration. In driving the concrete piles, one and a half feet of the pile is left above the surface.

Two Kinds of Pile Drivers

Two types of pile drivers are being used in the work of sinking the great number of pieces that must be placed to secure an adequate foundation. A single-acting machine is being used to sink the concrete piles, while two double-acting hammers are used in driving the wooden ones.

In the single-acting machine, the hammer is raised by steam and then allowed to fall upon an iron cap placed on the top of the pile. More power is derived from the double-acting type of pile driver in which the hammer is not allowed to fall onto the pile but is driven down by steam.

Piles Tested at Institute

Even under the tremendous blows given them in driving, the piles being used do not crack. To be assured that the piles used would be of the proper quality, specimen piles were first tested in the Institute Testing Materials Laboratory.

Although the number of piles driven per day varies, the average on the work so far has been over 100 a day. In an eight-hour day only 15 or 16 of the concrete piles are placed by the single-acting pile driver, but the two double-acting machines are able to place 45 and 60 piles respectively.

It is expected that all the pile driving work will be completed by April 1. About 45 workmen of the New England Foundation Company are now at work on the pile driving operations.

Concrete Mat Over Piles

After all the piles have been placed, steel reinforcing bars will be placed between and over all the pile-ends, and a solid mass of concrete will be poured to form a rigid mat on which the building will be erected.

Changes in weather conditions have little effect on the continuance of building operations. Only the coldest weather has given any trouble, and that has been because of freezing of pipe lines.

Minor sport teams at Princeton continued to practice during examination period.

An average of 22 new books an hour arrived at the Library of Congress last year.

The University of Nebraska Sagebrush runs a daily column of "Advice to the Lovelorn."

Three complete basketball uniforms were recently stolen from the University of Ohio team while on a trip.

Dissatisfied co-eds at Purdue have asked that they be allowed to use swimming as a substitute for physical training.

The talking film lecture program may make radical changes in teaching methods by means of which students can witness scientific research exactly as it is performed by leading scientists, according to S. C. Lind, of the Minnesota Chemistry School.

Colleges, Prof. Yandell Henderson of Yale warned the other day, are tending to be run too much like factories, and professors to be relegated to the status of industrial employees. The natural reaction, he prophesied, would be the development of such organizations as the American Association of University professors into a sort of labor union.

Representative Of Tech-In-Turkey Has Holiday Adventure

**Attends Turkish Movie And
Sees Pictures Described as
"From the Ark"**

(Continued from Page Two)
to respect the republic was killed as well as a loyal young officer. The latter's head was cut off and carried on a pole. The government appears to have seized this opportunity to discipline some of the reactionary elements, and I have heard it reported that over a hundred will have been hanged before they're through. In one city, thirteen were hanged in the square at once.

First Impressions of Teaching

Mr. Dickerman's first impressions of teaching are rather amusing. "After several hours of manipulating," he writes, "I evolved a system for averaging lab and exam marks with monthly marks whereby only one student flunked. I'm too soft-hearted to be a teacher, I guess. I sent you a copy of my exam in which the highest mark was 100 and the lowest 30."

"Since handing in my marks last Monday, I have divided my time between proctoring and sight-seeing. The former was extremely boring—I have discovered that a three-hour exam seems to last three minutes when you're taking it and three months when you're giving it."

"Well," he concludes, "I won't try to fill up space with what the boys call 'shaving,' but we call 'throwing it.' To shave a teacher doesn't mean to remove hair from his face but to hand him a line."

Fencing as an intercollegiate sport was introduced at the University of Virginia this winter.

When co-eds of Morning College, Iowa, appeared for breakfast clad in pajamas, college men waiting on the table went on strike.

There are more inmates in the insane institutions of the United States than in all the colleges and universities.

Co-ed students at the University of Michigan were defeated in a debate with men in which they attempted to prove themselves human beings.

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A dance held at Butler University was quite novel in the manner of its subscription. Each young lady was weighed at the entrance and her escort paid so much per pound. The buxom belles stayed at home.

Ohio State has taken action through its student senate which will make politics in the major campus activities almost non-existent.

The library at Princeton has a collection of 1300 book plates.

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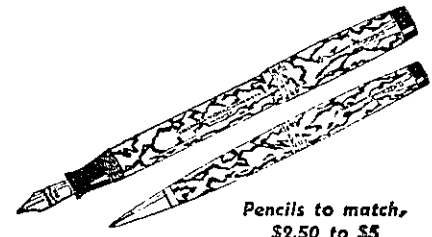
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